

WHAT IS CLAIMED IS:

1. A biodegradable wrap film, which is a biodegradable wrap film comprising as a main component a lactic acid resin  
5 composition comprising a poly(DL-lactic acid) in which the proportion of L-isomer and D-isomer is 88:12 to 85:15 or 12:88 to 15:85, and a plasticizer, the lactic acid resin composition, wherein

the value of storage modulus at 40°C is in the range of  
10 100 MPa to 3 GPa as measured at a frequency of 10 Hz and a distortion of 0.1% by the dynamic viscoelasticity testing method from Method A of JIS K-7198,

the value of storage modulus at 100°C is in the range of 30 MPa to 500 MPa, and

15 the peak value of loss tangent ( $\tan \delta$ ) is in the range of 0.1 to 0.8.

2. The biodegradable wrap film as recited in Claim 1, wherein the value of storage modulus at 20°C is in the range  
20 of 1 GPa to 4 GPa, as measured at a frequency of 10 Hz and a distortion of 0.1% by the dynamic viscoelasticity testing method from Method A of JIS K-7198, and the value of loss tangent ( $\tan \delta$ ) at 20°C is 0.5 or less.

25 3. The biodegradable wrap film as recited in Claim 1 or 2, wherein the value of storage modulus at 60°C is in the range

of 100 MPa to 800 MPa as measured at a frequency of 10 Hz and a distortion of 0.1% by the dynamic viscoelasticity testing method from Method A of JIS K-7198.

5 4. The biodegradable wrap film as recited in any of Claims 1 to 3, wherein the lactic acid resin composition comprises a lactic acid resin and a plasticizer in a proportion of 60:1 to 99:1 by mass.

10 5. The biodegradable wrap film as recited in any of Claims 1 to 4, wherein the difference ( $\Delta H_m - \Delta H_c$ ) is 10 J/g or more between  $\Delta H_m$ , the heat of melting required to melt the crystals completely when heating the film according to JIS K-7121 at a heating rate of 10°C/minute using a differential 15 scanning calorimeter, and  $\Delta H_c$ , the heat of crystallization produced concomitantly with crystallization during the heating.

6. The biodegradable wrap film as recited in any of Claims 20 1 to 5, wherein the formed film is heated at a temperature between the glass transition temperature when heating according to JIS K-7121 at a heating rate of 10°C/minute using a differential scanning calorimeter, and the peak temperature of the heat of crystallization produced 25 concomitantly with crystallization during the heating, and cured for 6 hours or longer.